

**Cloud Computing Policy-Empanelment of
Cloud Service Providers and Guidelines
for Government organizations**

**Government of Maharashtra
Directorate of Information Technology
Government Circular No. मातंसं - 060/3/2017/2
Hutatma Rajguru Chowk, Madam Cama Road,
Mantralaya, Mumbai – 400 032
Dated – 19th May 2018**

Addendum to Government Circular No. मातंसं - 060/3/2017/1

Cloud Computing Policy-Empanelment of Cloud Service Providers and Guidelines for Government organizations dated 16th may 2018

Ref:

1. Cloud Computing policy Circular dated 29.1.2018
2. Cloud Computing Policy-Empanelment of Cloud Service Providers and Guidelines for Government organizations dated 16th may 2018

Government Circular:-

1. The following Cloud service providers (CSP) are being hereby empanelled by DIT for a period of 3 years for providing cloud services to the all Government Departments, subordinate offices, Public Sector Undertakings, Urban and Rural Local Bodies & any body/organization set up under any law of the State Government (henceforth collectively referred to as “Government organizations”) from **1.5.2018 till 30.4.2021**.

Tier-1 empanelment

1. Amazon Web Services (AISPL)
2. Microsoft
3. Net Magic
4. Control-S (Conditional Empanelment for Sec-A of Annexure 8.1, 8.2 and 8.3 and not any other section)

Tier-2 empanelment

1. ESDS

2. List of empanelled CSP and their MSP

Sr #	TIER	CSP	MSP	Public Cloud	Virtual Private Cloud	Govt Community Cloud
1	1	Net Magic	Net Magic	Yes	Yes	Yes
2	1	Amazon Internet Services Private Limited	M/s Orient Technologies Pvt Ltd	Yes	Yes	NO
3	1	Amazon Internet Services Private Limited	Mahaonline	Yes	Yes	NO
4	1	Microsoft Corporation (India) Private Limited	SIFY	Yes	Yes	Yes
5	1	Microsoft Corporation (India) Private Limited	PricewaterhouseCoopers Private Limited	Yes	Yes	Yes
6	1	CTRLS	CTRLS	Conditional –Sec A only	Conditional –Sec A only	Conditional –Sec A only
7	2	ESDS	ESDS	Yes	Yes	Yes

Cloud service offerings

3.1 The 3 cloud service offerings being provided by the empanelled CSPs are as follows.

- a) Public Cloud
- b) Virtual Private Cloud
- c) Government Community Cloud

3.2 As part of each of these cloud service offerings, the following cloud services will be available to Government organizations

- Virtual machines
- Storage
- Database
- Media transcoding
- Services like DNS, Active directory, Virtual Private Network (VPN), API management, email/SMS gateway, back-up services, mobile services, developer tools and office productivity tools
- Provision of Bare metal server as a service

Annexure 8.1	PUBLIC CLOUD	CSP /MSP Services	DC-1 YR	DC-2 YRS	DR-1 YR	DR-2 YRS	DC+DR 1 YR	DC +DR 2 YRS
	SEC A	VIRTUAL MACHINE with OS	✓	✓	✓	✓	✓	✓
	SEC B	STORAGE	✓	✓	✓	✓	✓	✓
	SEC C	DATABASES	✓	✓	✓	✓	✓	✓
	SEC D	MEDIA TRANSCODING	✓	✓	✓	✓	✓	✓
	SEC E	Services	✓	✓	✓	✓	✓	✓
	SEC F	Bare Metal Server	✓	✓	✓	✓	✓	✓
	SEC G	Additional Resources	✓	✓	✓	✓	✓	✓
Annexure 8.2	Virtual Private Cloud							
	SEC A	VIRTUAL MACHINE with OS	✓	✓	✓	✓	✓	✓
	SEC B	STORAGE	✓	✓	✓	✓	✓	✓
	SEC C	DATABASES	✓	✓	✓	✓	✓	✓
	SEC D	MEDIA TRANSCODING	✓	✓	✓	✓	✓	✓
	SEC E	Services	✓	✓	✓	✓	✓	✓
	SEC F	Bare Metal Server	✓	✓	✓	✓	✓	✓
	SEC G	Additional Resources	✓	✓	✓	✓	✓	✓
Annexure 8.3	Government Community CLOUD							
	SEC A	VIRTUAL MACHINE with OS	✓	✓	✓	✓	✓	✓
	SEC B	STORAGE	✓	✓	✓	✓	✓	✓
	SEC C	DATABASES	✓	✓	✓	✓	✓	✓
	SEC D	MEDIA TRANSCODING	✓	✓	✓	✓	✓	✓
	SEC E	Services	✓	✓	✓	✓	✓	✓
	SEC F	Bare Metal Server	✓	✓	✓	✓	✓	✓
	SEC G	Additional Resources	✓	✓	✓	✓	✓	✓

4. Contact LIST OF CSP/MSP

Contact Details of CSPs/MSPs				
CSP	MSP	Person in Contact	Email ID and Telephone Number	Contact Details
Amazon Internet Services Private Limited (AISPL)		Mr. Vivek Gaikwad	vivgaikw@amazon.com, 7777067698, 9820805198, Board line : 61192500	Amazon Internet Services Private Limited (AISPL), 5th Floor, Salcon Ras Vilas, Near Select City Walk, Saket, New Delhi – 110017
		Mr. Mandar Patil	pamandar@amazon.com, 9869990063 Board line : 61192500	Amazon Internet Services Private Limited. Ground Floor, L&T Business Park Gate No. 5, Saki-Vihar Road Powai Mumbai – 400072
	ORIENT	Mr. Manish Mehta	manishmehta@orientindia.net, Mobile No: 9619768417	M/s Orient Technologies Pvt Ltd Sales Office: 502, Ackruti Star, Central Road, MIDC, Andheri East, Mumbai – 400093. India Mobile : +91-9619768417 Board : +91- 22- 4292 8888
		Mr. Umesh Shah	umeshshah@orientindia.net, Ph: 022-42928888	
	MAHAONLINE	Mr. Sachin Bhosale	Sachin.Bhosale@mahaonline.gov.in Contact No. - 7400423303	5th Floor, Trade World, D Wing, Kamala City, Senapati Bapat Marg, Lower Parel, Mumbai, Maharashtra 400013. Mobile : 022-6707 7000
		Mr. Sandesh Gadkar	Sandesh.Gadkar@mahaonline.gov.in Contact No. - 7400423310	
CtrlS		Mr. Farshid Irani	farshid.irani@ctrls.in / 7738101609	CtrlS Datacenters Ltd., 16, Software Units Layout, Madhapur (Hitech-City), Hyderabad – 500081
		Mr. Padmanabh Nargunde	egov@ctrls.in / 9205270110	E mail- egov[at]ctrls[dot]in
				Tel no. +91-9643312818, +91-40-42030700
ESDS		Mr. Lokesh Sharma	Lokesh.sharma@esds.co.in , 9765493344	ESDS Software Solutions Private Limited, Plot No. B-24 & 25, NICE, Industrial Area, Satpur, MIDC, Nashik-422007
			Cloud.esds@gmail.com	E mail: sanchit[at]esds[dot]co[dot]in
Microsoft		Mr Sanjeev P Rege	sanjeevr@microsoft.com , +91-9833888615	Microsoft Corporation (India) Private Limited, Level 10, Tower C, Epitome, Building No.5, DLF Cyber City, Phase-3, Gurgaon –122002
		Mr Balachandran Nair N	balanair@microsoft.com, +91 9619899403	Microsoft Corporation (India) Pvt Ltd, Windsor, 4th Floor, Off CST Road, Kalina, Santacruz (E) , Mumbai 400098
	SIFY	Mr Manav Aggarwal	manav.aggarwal@sifycorp.com , 9910105958	B-7, Sector -132, Gautam Budh nagar Noida 201301
		Mr Neerad Dwivedi	neerad.dwivedi@sifycorp.com ,9818227875	
	PWC	Mr Shivendra Singh	shivendra.singh@in.pwc.com , +919611107583	PricewaterhouseCoopers Private Limited The Millenia, Tower 'D', 3rd Floor, No. 1 & 2 Murphy Road, Ulsoor, Bangalore – 560008
Net Magic		Mr Prasad Tilve	prasad.tilve@netmagicsolutions.com, 9967359511	Netmagic IT Services Ltd., 24 & 30, Ground Floor, Okhla Industrial Estate, Phase-III, New Delhi-110020
		Mr Zamiruddin Shaikh	zamiruddin.shaikh@netmagicsolutions.com, 9686454522	Lighthall C wing, Hiranandani Business Park, Saki Vihar Road, Chandivali, Andheri E, Mumbai-400072
		Aarti Soni	aarti.soni@netmagicsolutions.com, 9820972783	E mail: sourabh[dot]gaggar[at]jwwindia[dot]com
				Tel no.: +91-8586806211

Additional information to Annexure 1

As an example for Sizing of Infrastructure of any project:

1. Select the Cloud (Public , Private or Community)
2. Select the Virtual Server configuration(Pack 1 to Pack 20) from Section A
3. Select the Primary or DR or DC+DR as per requirement

4. Then Select additional Storage if required from Section B
5. Then select the database required from Section C
6. This will give the total amount required for the Selected Infrastructure.
7. Additional components can be selected like media transcoding etc. as per project requirement.

Annexure 1 of this Circular supersedes the Annexure 1 of **Government Circular No. मातंसं - 060/3/2017/1** Cloud Computing Policy-Empanelment of Cloud Service Providers and Guidelines for Government organizations dated 16th may 2018

This Government Circular of Maharashtra Government is available at the website www.maharashtra.gov.in. Reference no. for this is 201805211415360511. This order has been signed digitally.

By order and in the name of the Governor of Maharashtra,

(S.V.R. Srinivas)
Principal Secretary IT,
Government of Maharashtra.

Copy forwarded to:

Secretary to the Hon'ble Governor of Maharashtra

1. Secretary to Hon'ble Chief Minister,
2. Personal Secretary to All Ministers/All Ministers of State,
3. Hon'ble Leader of Opposition, Legislative Assembly/ Legislative council, Maharashtra Vidhan Mandal Sachiwalaya, Mumbai,
4. All Hon'ble Members of Legislative Assembly/ Legislative Council,
5. Personal Assistant to Chief Secretary,
6. Additional Chief Secretary/Principal Secretary/Secretary of All Departments,
7. Registrar, High Court (Original Side) Mumbai,
8. Registrar, High Court (Appellate Side) Mumbai,
9. Registrar, Lok Ayukta and Up Lok Ayukta, Maharashtra State Mumbai,
10. Secretary State Election Commission, Mumbai
11. Secretary, Maharashtra Public Service Commission Mumbai,
12. Principal Secretary, Maharashtra Vidhan Mandal Sachiwalaya Mumbai,
13. Chief Information Commissioner, State Information Commission, Mumbai,
14. Auditor, Accountant General (A & E), Maharashtra Mumbai,
15. Auditor, Accountant General (A & E), Maharashtra Nagpur,
16. Auditor, Accountant General (Audit), Maharashtra Mumabai,
17. Auditor, Accountant General (Audit), Maharashtra Nagpur,
18. Pay and Accounts Officer, Mumbai,
19. Residential Audit Officer, Mumbai,
20. Commissioners of All Municipal Corporations,
21. All Collectors,
22. All Chief Executive Officer, Zilla Parishad/ All Chief Officers,
23. Director General, Information and Public Relations, Mantralaya Mumbai,
24. Managing Director, Maharashtra IT Corporation Mumbai,
25. Select File, DIT, General Administration Department, Mantralaya

Annexure 1

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Public Cloud

SECTION-A (1 Year)

SECTION-A Virtual Server											
Service Type					Feature			Included			
Networking					Network Segment- VLAN			Up to 5 Vm-1 network segment 5 to 10 Vm-2 network Segments 10-15 Vm-3 Network Segments 15-20 Vm-4 network segments			
					Networking - Load Balancing- Active Active			Included			
					Networking - Switching & Routing			Included			
					Managed Firewall(WAF), Non std encoding, session mgmt.			Included			
Administration					One Sub Admin Account			Included			
Operating System options					RedHat Enterprise Linux 7 or above CentOS operating System Ubuntu Operating System SUSE Linux operating system Microsoft Windows Server 2012			Included			
					Public IP			1 network segment-1 2 network Segments-2 3 network Segments- 3 4 network Segments- 4			
Security					SSL (DV+OV)			1		included	
					IAM + console			1		included	
Backup					100 GB per VM			1		included	
					DC-Public Cloud 1 year			DR-Public Cloud 1 year		DC+DR-Public Cloud 1 year	
Line Item #	VM	cpu	RAM	Storage (GB)	HOURLY rate		MONTHLY rate	HOURLY rate	MONTHLY rate	HOURLY rate	MONTHLY rate
1	Pack 1	1	1	50	2.5		1800.0	2.3	1626.0	15.20	11153.00
2	Pack 2	1	2	100	3.0		2160.0	2.7	1956.0	19.00	13961.20
3	Pack 3	2	4	100	6.0		4320.0	5.4	3912.0	31.36	22972.90

4	Pack 4	2	8	150	8.0	5760.0	7.2	5232.0	41.00	28955.00
5	Pack 5	2	16	150	12.0	8640.0	10.8	7872.0	44.00	30989.00
6	Pack 6	4	4	200	10.0	7200.0	9.0	6504.0	69.00	49565.00
7	Pack 7	4	8	250	12.0	8640.0	10.8	7824.0	69.00	49565.00
8	Pack 8	4	16	250	16.0	11520.0	14.4	10464.0	69.00	51431.00
9	Pack 9	6	6	300	15.0	10800.0	13.5	9756.0	72.00	97917.00
10	Pack 10	6	12	350	18.0	12960.0	16.2	11736.0	137.00	98899.00
11	Pack 11	8	8	400	20.0	14400.0	18.0	13008.0	137.00	98899.00
12	Pack 12	8	16	450	24.0	17280.0	21.6	15648.0	137.00	98899.00
13	Pack 13	8	32	450	32.0	23040.0	28.8	20928.0	127.68	93474.30
14	Pack 14	12	12	500	30.0	21600.0	27.0	19512.0	260.42	175000.75
15	Pack 15	12	24	550	36.0	25920.0	32.4	23472.0	262.55	176432.37
16	Pack 16	16	16	600	40.0	28800.0	36.0	26016.0	264.68	177863.98
17	Pack 17	16	32	650	48.0	34560.0	43.2	31296.0	266.81	179295.59
18	Pack 18	32	64	700	96.0	69120.0	86.4	62592.0	575.71	386879.33
19	Pack 19	64	128	750	192.0	138240.0	172.8	125184.0	1081.83	726992.67
20	Pack 20	128	256	800	2517.5	1843053.2	2517.5	1843053.2	5035.00	3686106.40
21	Bandwidth-Plan 1- upto 100 GB				754.0					
22	Bandwidth-Plan 2- upto 500 GB				3927.0					
23	Bandwidth-Plan 3- upto 1000 GB				8000.0					
24	Additional data transfer tariff per GB				8.0					

SECTION-A (2 Year)

Line Item #	Sec-A	Line Items			DC-Public Cloud 2 year		DR-Public Cloud 2 year		DC+DR-Public Cloud 2 year	
Service Type					Feature			Included		
Networking					Network Segment- VLAN			Up to 5 Vm-1 network segment 5 to 10 Vm-2 network Segments 10-15 Vm-3 Network Segments 15-20 Vm-4 network segments		
					Networking - Load Balancing- Active Active			Included		
					Networking - Switching & Routing			Included		
					Managed Firewall(WAF), Non std encoding, session mgmt.			Included		
Administration					One Sub Admin Account			Included		
Operating System options					RedHat Enterprise Linux 7 or above CentOS operating System Ubuntu Operating System SUSE Linux operating system Microsoft Windows Server 2012			Included		
					Public IP			1 network segment-1 2 network Segments-2 3 network Segments- 3 4 network Segments- 4		
Security					SSL (DV+OV)				1	included
					IAM + console				1	included
Backup					100 GB per VM				1	included
1	VM	cpu	RAM	Storage (GB)	HOURLY rate	MONTHLY rate	HOURLY rate	MONTHLY rate	HOURLY rate	MONTHLY rate
2	Pack 1	1	1	50	2.5	1730.0	2.3	1550.0	15.2	10472.8
3	Pack 2	1	2	100	3.0	2060.0	2.7	1850.0	19.0	12638.8
4	Pack 3	2	4	100	6.0	4120.0	5.4	3700.0	31.4	14774.4
5	Pack 4	2	8	150	8.0	5440.0	7.2	4900.0	41.0	20641.6

6	Pack 5	2	16	150	12.0	8080.0	10.8	7300.0	44.0	29727.4
7	Pack 6	4	4	200	10.0	6920.0	9.0	6200.0	69.0	47315.7
8	Pack 7	4	8	250	12.0	8240.0	10.8	7400.0	69.0	48412.0
9	Pack 8	4	16	250	16.0	10880.0	14.4	9800.0	71.3	34819.4
10	Pack 9	6	6	300	15.0	10380.0	13.5	9300.0	135.0	92353.3
11	Pack 10	6	12	350	18.0	12360.0	16.2	11100.0	137.0	93436.3
12	Pack 11	8	8	400	20.0	13840.0	18.0	12400.0	137.0	94519.3
13	Pack 12	8	16	450	24.0	16480.0	21.6	14800.0	137.0	95602.3
14	Pack 13	8	32	450	32.0	21760.0	28.8	19600.0	127.7	62591.7
15	Pack 14	12	12	500	30.0	20760.0	27.0	18600.0	260.4	162500.7
16	Pack 15	12	24	550	36.0	24720.0	32.4	22200.0	262.6	163830.1
17	Pack 16	16	16	600	40.0	27680.0	36.0	24800.0	264.7	165159.4
18	Pack 17	16	32	650	48.0	32960.0	43.2	29600.0	266.8	166488.8
19	Pack 18	32	64	700	96.0	65920.0	86.4	59200.0	575.7	359245.1
20	Pack 19	64	128	750	192.0	131840.0	172.8	118400.0	1081.8	675064.6
21	Pack 20	128	256	800	2517.5	1314756.3	2517.5	1314756.3	5035.0	2629512.6
22	Bandwidth-Plan 1- upto 100 GB					754.00				
23	Bandwidth-Plan 2- upto 500 GB					3,927.00				
24	Bandwidth-Plan 3- upto 1000 GB					8,000.00				
25	Additional data transfer tariff per GB					8.00				

SECTION-B

SECTION - B STORAGE			
Line Item #	Line Items		MONTHLY rate
25	Object storage	50 GB	118.75
26		500 GB	737.00

27	File storage	1000 GB		1,398.00
28		10 TB		13,613.00
29		50 GB		141.00
30		500 GB		1,406.00
31		1000 GB		2,813.00
32	Archive storage	10 TB		25,571.00
33		50 GB		10.00
34		500 GB		237.50
35		1000 GB		475.00
36		10 TB		4,864.00
37	DISK storage	50 GB	<= 120 IOPS	125.00
38			121 to 400 IOPS	243.00
39			401 to 800 IOPS	625.00
40			801 to 1200 IOPS	800.00
41			1201 to 2000 IOPS	1,125.00
42			> 5000 IOPS	2,000.00
43		500 GB	<= 120 IOPS	1,250.00
44			121 to 400 IOPS	1,696.00
45			401 to 800 IOPS	1,696.00
46			801 to 1200 IOPS	1,808.00
47			1201 to 2000 IOPS	1,944.00
48			> 5000 IOPS	7,727.00
49		1000 GB	<= 120 IOPS	2,500.00
50			121 to 400 IOPS	3,212.00
51			401 to 800 IOPS	3,212.00

52		10 TB	801 to 1200 IOPS	3,392.00
53			1201 to 2000 IOPS	3,616.00
54			> 5000 IOPS	8,035.00
55			<= 120 IOPS	25,000.00
56			121 to 400 IOPS	29,828.00
57			401 to 800 IOPS	29,828.00
58			801 to 1200 IOPS	29,828.00
59			1201 to 2000 IOPS	29,828.00
60			> 5000 IOPS	44,011.00

SECTION-C

SECTION-C DATABASE				
Line Item #		Database Options	No. of Licenses required	MONTHLY rate
61	Postgre Enterprise		4	34,868.63
62			5 to 8	69,639.04
63			> 8	153,421.98
64	MySQL 4 socket, 8 socket, 16 socket and 32 socket		4 socket	11,826.00
65			8 socket	23,645.00
66			16 socket	47,290.00
67			32 socket	94,572.00
68	MySQL Standard		4	Not offered*
69			5 to 8	Not offered*
70			> 8	Not offered*
71	MySQL Enterprise		4	Not offered*
72			5 to 8	Not offered*

73		> 8	Not offered*
74	MSSQL 2012 Standard	4	21,976.00
75		5 to 8	43,952.00
76		> 8	87,904.00
77		MSSQL 2012 Enterprise	4
78	5 to 8		168,540.00
79	> 8		337,080.00
80	Oracle Standard	4	70,817.70
81		5 to 8	155,907.12
82		> 8	311,165.71
83	Oracle Enterprise	4	Not offered*
84		5 to 8	Not offered*
85		> 8	Not offered*
86	NoSQL Enterprise	100	2,859.50
87		101 to 500	14,297.50
88		501 to 1000	28,595.00
89		> 1000	4,049.96
90	IBM DB2 v 10.5 or above	2	Not offered*
91		4	Not offered*
92		10	Not offered*
93		> 10	Not offered*
94	NoSQL DB	100	2,859.50
95		101 to 500	14,297.50
96		501 to 1000	28,595.00
97		> 1000	28,595.00
98	MySQL & Postgre SQL compatible relational database	4	42,628.13
99		5 to 8	85,354.48
100		> 8	170,610.75
Note: For line items Not Offered*, Department has to arrange for required User Licenses if not freely downloadable.			

SECTION-D

SECTION-D		Media transcoding at 99.9% availability- Quality	Multiplier		MONTHLY rate
101		SD(1280X720)	1X	per output minute	1.90
102		HD (1280 × 720–1920 x 1080	2X	per output minute	2.85
103		UHD (more than 1920 x 1080, up to 4096 x 2160)	4X	per output minute	10.06
104		Audio only output	0.25X	per output minute	0.95

SECTION-E

Line Item #	SECTION-E SERVICES			MONTHLY rate
105	Scalability	Virtual Machine Scale Sets/Auto Scaling	1 unit of 5 VMs	3,000.00
106	DNS	DNS Management	1	51.30
107	AD	Active Directory Services	1	5,000.00
108	VPN	VPN/Gateway SITE to SITE point to point	2 ports per VPN	1,045.00
109	API Gateway/ Management	Million API calls	1	332.50
110	Email/SMS	Email gateway	Per year cost for 1 account with 10 GB	60.00
111		SMS gateway	1 lakh sms per month	16,720.00
112	Public IP	Additional public IP Addresses	1	100.00
113	DASHBOARDS	Network Monitoring dash Board	1	1,000.00

114	BACKUP Services	Backup agent , Backup management and monitoring , Back up Restoration	1	600.00
115	DATA TRANSFER	Bulk Data Transfer	1 TB	7,931.55
116		DATA SYNC service	1 TB	5,000.00
117	Developer Tools	Tools & SDKs or equivalent	1 instance	16,525.00
118		Code Deploy and commit tools or equivalent	1 instance	95.00
119	Mobile Services	Mobile Hub or equivalent	1	93,936.00
120		Mobile SDK	1	-
121		Container /Registry	1	9.50
122	Office 365(Email Service with 100 GB Mail Box each for primary and archival, Multiparty Video conferencing on PC, Laptop and tablets, personal data storage sync from PC to cloud, office productivity , search capabilities) or equivalent		1	-

SECTION-F

Line Item #	SECTION- F	Bare Metal Servers		MONTHLY rate
123	Intel Xeon E7-8890 v4 (192 Cores, 2.20 GHz),8192GB RAM (8192GB maximum), Up to 29 Internal Hard Drives Up to 10Gbps maximum Port Speeds, Redundant Power Supplies, Hypervisor Licenses, network connectivity to internet or Cloud infrastructure		1	1,174,281.89
124	Quad Intel Xeon E7-4890 v2 (60 Cores, 2.80 GHz) 2048GB RAM (2048GB maximum) Up to 24 Internal Hard Drives Up to 10Gbps maximum Port Speeds Redundant Power Supplies Hypervisor Licenses, network connectivity to internet or Cloud infrastructure		1	391,427.30
125	Intel Xeon E5-2690 v4, Dual Intel Xeon E5-2690 v4 (28 Cores, 2.60 GHz) 256GB RAM (256GB maximum) Up to 2 Internal Hard Drives Up to 10Gbps maximum Port Speeds Redundant Power Supplies Hypervisor Licenses, network connectivity to internet or Cloud infrastructure		1	88,071.14

SECTION-G

Line Item #	Section G	Data transfer allowed per month	MONTHLY rate
	Additional resources		-
130		1 Virtual CPU	450.00
126		1 GB RAM	220.00
127		Storage in minimum block of 50 GB	243.00
128		Additional network segment (per VLAN)	
129		Additional 1 IP	100.00
130		Additional 1 sub-admin account	500.00
131		MSP Charges	5%

Virtual Private Cloud

SECTION-A(1 Year)

SECTION-A Virtual Server												
Line Item #		Line Items										
Service Type					Feature				Included			
Networking					Network Segment- VLAN				Up to 5 Vm-1 network segment 5 to 10 Vm-2 network Segments 10-15 Vm-3 Network Segments 15-20 Vm-4 network segments			
					Networking - Load Balancing- Active Active				Included			
					Networking - Switching & Routing				Included			
					Managed Firewall(WAF), Non std encoding, session mgmt.				Included			
Administration					One Sub Admin Account				Included			
Operating System options					RedHat Enterprise Linux 7 or above CentOS operating System Ubuntu Operating System SUSE Linux operating system Microsoft Windows Server 2012				Included			
					Public IP				1 network segment-1 2 network Segments-2 3 network Segments- 3 4 network Segments- 4			
Security					SSL (DV+OV)				1		included	
					IAM + console				1		included	
Backup					100 GB per VM				1		included	
1	VM	cpu	RAM	Storage (GB)	HOURLY rate 1 year		MONTHLY rate 1 year		HOURLY rate 1 year	MONTHLY rate 1 year	HOURLY rate 1 year	MONTHLY rate 1 year
2	Pack 1	1	1	50	10.00		6,621.00		10.00	7231.00	20.00	13852.00
3	Pack 2	1	2	100	10.00		6,830.00		10.00	7421.00	21.00	14251.00

4	Pack 3	2	4	100	16.00	11,569.00	16.00	13267.00	35.00	24836.00
5	Pack 4	2	8	150	21.00	14,596.00	21.00	14359.00	41.00	28955.00
6	Pack 5	2	16	150	21.00	14,830.00	21.00	16159.00	44.00	30989.00
7	Pack 6	4	4	200	32.00	23,081.00	32.00	26484.00	69.00	49565.00
8	Pack 7	4	8	250	32.00	23,081.00	32.00	26484.00	69.00	49565.00
9	Pack 8	4	16	250	36.00	25,753.00	36.00	25678.00	69.00	51431.00
10	Pack 9	6	6	300	63.00	45,505.00	63.00	52412.00	72.00	97917.00
11	Pack 10	6	12	350	64.00	46,020.00	64.00	52879.00	137.00	98899.00
12	Pack 11	8	8	400	64.00	46,020.00	64.00	52879.00	137.00	98899.00
13	Pack 12	8	16	450	64.00	46,020.00	64.00	52879.00	137.00	98899.00
14	Pack 13	8	32	450	71.00	51,407.00	71.00	56240.00	149.00	107647.00
15	Pack 14	12	12	500	124.00	90,372.00	124.00	104236.00	267.00	194608.00
16	Pack 15	12	24	550	125.00	90,616.00	125.00	104459.00	269.00	195075.00
17	Pack 16	16	16	600	125.00	88,768.00	125.00	104649.00	269.00	193417.00
18	Pack 17	16	32	650	125.00	90,824.00	125.00	104649.00	269.00	195473.00
19	Pack 18	32	64	700	276.00	201,235.00	276.00	220973.00	579.00	422208.00
20	Pack 19	64	128	750	550.00	400,808.00	550.00	440429.00	1154.00	841237.00
21	Pack 20	128	256	800	Not offered	Not offered	Not offered	Not offered	Not offered	Not offered
22	Bandwidth-Plan 1- upto 100 GB				754.00					
23	Bandwidth-Plan 2- upto 500 GB				3,927.00					
24	Bandwidth-Plan 3- upto 1000 GB				8,083.00					
25	Additional data transfer tariff per GB				8.00					

SECTION-A(2 Years)

Line Item #	SECTION-A	Line Items			DC-Virtual Public Cloud 2 year		DR-Virtual Public Cloud 2 year		DC+DR-Virtual Public Cloud 2 year	
Service Type					Feature			Included		
Networking					Network Segment- VLAN			Up to 5 Vm-1 network segment 5 to 10 Vm-2 network Segments 10-15 Vm-3 Network Segments 15-20 Vm-4 network segments		
					Networking - Load Balancing- Active Active			Included		
					Networking - Switching & Routing			Included		
					Managed Firewall(WAF), Non std encoding, session mgmt.			Included		
Administration					One Sub Admin Account			Included		
Operating System options					RedHat Enterprise Linux 7 or above CentOS operating System Ubuntu Operating System SUSE Linux operating system Microsoft Windows Server 2012			Included		
					Public IP			1 network segment-1 2 network Segments-2 3 network Segments- 3 4 network Segments- 4		
Security					SSL (DV+OV)			1	included	
					IAM + console			1	included	
Backup					100 GB per VM			1	included	
1	VM	cpu	RAM	Storage (GB)	HOURLY rate	MONTHLY rate	HOURLY rate	MONTHLY rate	HOURLY rate	MONTHLY rate
2	Pack 1	1	1	50	10.00	6,621.00	10.00	7,231.00	20	13852
3	Pack 2	1	2	100	10.00	6,830.00	10.00	7,421.00	21	14251
4	Pack 3	2	4	100	16.00	11,569.00	16.00	13,267.00	35	24836
5	Pack 4	2	8	150	21.00	14,596.00	21.00	14,359.00	41	28955
6	Pack 5	2	16	150	21.00	14,830.00	21.00	16,159.00	44	30989

7	Pack 6	4	4	200	32.00	23,081.00	32.00	26,484.00	69	49565
8	Pack 7	4	8	250	32.00	23,081.00	32.00	26,484.00	69	49565
9	Pack 8	4	16	250	36.00	25,753.00	36.00	25,678.00	72	51431
10	Pack 9	6	6	300	63.00	45,505.00	63.00	52,412.00	135	97917
11	Pack 10	6	12	350	64.00	46,020.00	64.00	52,879.00	137	98899
12	Pack 11	8	8	400	64.00	46,020.00	64.00	52,879.00	137	98899
13	Pack 12	8	16	450	64.00	46,020.00	64.00	52,879.00	137	98899
14	Pack 13	8	32	450	71.00	51,407.00	71.00	56,240.00	149	107647
15	Pack 14	12	12	500	124.00	90,372.00	124.00	104,236.00	267	194608
16	Pack 15	12	24	550	125.00	90,616.00	125.00	104,459.00	269	195075
17	Pack 16	16	16	600	125.00	88,768.00	125.00	104,649.00	269	193417
18	Pack 17	16	32	650	125.00	90,824.00	125.00	104,649.00	269	195473
19	Pack 18	32	64	700	276.00	201,235.00	276.00	220,973.00	579	422208
20	Pack 19	64	128	750	550.00	400,808.00	550.00	440,429.00	1154	841237
21	Pack 20	128	256	800	0.00	-	0.00	-	0	0
22	Bandwidth-Plan 1- upto 100 GB									754.00
23	Bandwidth-Plan 2- upto 500 GB									3,927.00
24	Bandwidth-Plan 3- upto 1000 GB									8,083.00
25	Additional data transfer tariff per GB									8.00

SECTION-B

Line Item #	SECTION- B STORAGE	Line Items	MONTHLY rate
26	Object storage	50 GB	125.00
27		500 GB	737.00
28		1000 GB	1,398.00
29		10 TB	13,613.00

30	File storage	50 GB		141.00
31		500 GB		1,406.00
32		1000 GB		2,813.00
33		10 TB		25,571.00
34	Archive storage	50 GB		117.00
35		500 GB		698.00
36		1000 GB		978.00
37		10 TB		8,258.00
38	DISK storage	50 GB	<= 120 IOPS	125.00
39			121 to 400 IOPS	243.00
40			401 to 800 IOPS	625.00
41			801 to 1200 IOPS	800.00
42			1201 to 2000 IOPS	1,125.00
43			> 5000 IOPS	2,000.00
44		500 GB	<= 120 IOPS	1,250.00
45			121 to 400 IOPS	1,696.00
46			401 to 800 IOPS	1,696.00
47			801 to 1200 IOPS	1,808.00
48			1201 to 2000 IOPS	1,944.00
49			> 5000 IOPS	7,727.00
50		1000 GB	<= 120 IOPS	2,500.00
51			121 to 400 IOPS	3,212.00
52			401 to 800 IOPS	3,212.00
53			801 to 1200 IOPS	3,392.00
54			1201 to 2000 IOPS	3,616.00
55			> 5000 IOPS	8,035.00
56		10 TB	<= 120 IOPS	25,000.00
57			121 to 400 IOPS	29,828.00
58			401 to 800 IOPS	29,828.00

59			801 to 1200 IOPS	29,828.00
60			1201 to 2000 IOPS	29,828.00
61			> 5000 IOPS	44,011.00

SECTION-C

Line Item #	SECTION-C DATABASE	Database Options	No. of Licenses required	MONTHLY rate
62		Postgre Enterprise	4	Not offered
63			5 to 8	Not offered
64			> 8	Not offered
65		MySQL 4 socket, 8 socket, 16 socket and 32 socket	4 socket	11,826.00
66			8 socket	23,645.00
67			16 socket	47,290.00
68			32 socket	94,572.00
69		MySQL Standard	4	Not offered
70			5 to 8	Not offered
71			> 8	Not offered
72		MySQL Enterprise	4	Not offered
73			5 to 8	Not offered
74			> 8	Not offered
75		MSSQL 2012 Standard	4	21,976.00
76			5 to 8	43,952.00
77			> 8	87,904.00
78		MSSQL 2012 Enterprise	4	84,270.00
79			5 to 8	168,540.00
80			> 8	337,080.00
81		Oracle Standard	4	Not offered

82		5 to 8	Not offered	
83		> 8	Not offered	
84		Oracle Enterprise	4	Not offered
85			5 to 8	Not offered
86		> 8	Not offered	
87	NoSQL Enterprise	100	Not offered	
88		101 to 500	Not offered	
89		501 to 1000	Not offered	
90		> 1000	Not offered	
91	IBM DB2 v 10.5 or above	2	Not offered	
92		4	Not offered	
93		10	Not offered	
94		> 10	Not offered	
95	NoSQL DB	100	Not offered	
96		101 to 500	Not offered	
97		501 to 1000	Not offered	
98		> 1000	Not offered	
99	MySQL & Postgre SQL compatible relational database	4	Not offered	
100		5 to 8	Not offered	
101		> 8	Not offered	
Note: For line items Not Offered, Department has to arrange for required User Licenses if not freely downloadable				

SECTION-D

SECTION-D	Media transcoding at 99.9% availability		MONTHLY AMT
	Quality	Multiplier	-
102	SD(1280X720)	1X	per out put minute 2.98

103		HD (1280 × 720–1920 x 1080)	2X	per out put minute	5.29
104		UHD (more than 1920 x 1080, up to 4096 x 2160)	4X	per out put minute	10.06
105		Audio only output	0.25X	per out put minute	2.98

SECTION-E

Line Item #	SECTION-E SERVICES			MONTHLY rate
106	Scalability	Virtual Machine Scale Sets/Auto Scaling	1 unit of 5 VMs	Not offered
107	DNS	DNS Management	1	2,975.00
108	AD	Active Directory Services	1	5,000.00
109	VPN	VPN/Gateway SITE to SITE point to point	2 ports per VPN	4,000.00
110	API Gateway/ Management	Million API calls	1	332.50
111	Email/SMS	Email gateway	Per year cost for 1 account with 10 GB	60.00
112		SMS gateway	1 lakh sms per month	17,000.00
113	Public IP	Additional public IP Addresses	1	125.00
114	DASHBOARDS	Network Monitoring dash Board	1	1,000.00
115	BACKUP Services	Backup agent , Backup management and monitoring , Back up Restoration	1	1,322.00
116	DATA TRANSFER	Bulk Data Transfer	1 TB	7,931.55
117		DATA SYNC service	1 TB	5,000.00
118	Developer Tools	Tools & SDKs or equivalent	1 instance	16,525.00
119		Code Deploy and commit tools or equivalent	1 instance	95.00
120	Mobile Services	Mobile Hub or equivalent	1	93,936.00
121		Mobile SDK	1	-

122	Container /Registry	1	3,305.00
124	Office 365(Email Service with 100 GB Mail Box each for primary and archival, Multiparty Video conferencing on PC, Laptop and tablets, personal data storage sync from PC to cloud, office productivity , search capabilities) or equivalent	1	Not offered

SECTION-F

Line Item #	SEC- F	Bare Metal Servers		MONTHLY rate
125	Intel Xeon E7-8890 v4 (192 Cores, 2.20 GHz),8192GB RAM (8192GB maximum), Up to 29 Internal Hard Drives Up to 10Gbps maximum Port Speeds, Redundant Power Supplies, Hypervisor Licenses, network connectivity to internet or Cloud infrastructure		1	1,174,281.89
126	Quad Intel Xeon E7-4890 v2 (60 Cores, 2.80 GHz) 2048GB RAM (2048GB maximum) Up to 24 Internal Hard Drives Up to 10Gbps maximum Port Speeds Redundant Power Supplies Hypervisor Licenses, network connectivity to internet or Cloud infrastructure		1	391,427.30
127	Intel Xeon E5-2690 v4, Dual Intel Xeon E5-2690 v4 (28 Cores, 2.60 GHz) 256GB RAM (256GB maximum) Up to 2 Internal Hard Drives Up to 10Gbps maximum Port Speeds Redundant Power Supplies Hypervisor Licenses, network connectivity to internet or Cloud infrastructure		1	88,071.14

SECTION-G

	SECTION G	Data transfer allowed per month	
Line Item #			MONTHLY rate
	Additional resources		-
128		1 Virtual CPU	500.00
129		1 GB RAM	50.00
130		Storage in minimum block of 50 GB	10.00
131		Additional network segment (per VLAN)	100.00
132		Additional 1 IP	125.00
133		Additional 1 sub-admin account	500.00
134	MSP Charges	5%	

Government Community Cloud

SECTION-A(1 Year)

Line Item #	SECTION-A		Line Items		DC-Government Community Cloud 1 year		DR-Government Community Cloud 1 year		DC+DR-Government Community Cloud 1 year			
Service Type			Feature				Included					
Networking			Network Segment- VLAN				Up to 5 Vm-1 network segment 5 to 10 Vm-2 network Segments 10-15 Vm-3 Network Segments 15-20 Vm-4 network segments					
			Networking - Load Balancing- Active Active				Included					
			Networking - Switching & Routing				Included					
			Managed Firewall(WAF), Non std encoding, session mgmt.				Included					
Administration			One Sub Admin Account				Included					
Operating System options			RedHat Enterprise Linux 7 or above CentOS operating System Ubuntu Operating System SUSE Linux operating system Microsoft Windows Server 2012				Included					
			Public IP				1 network segment-1 2 network Segments-2 3 network Segments- 3 4 network Segments- 4					
Security			SSL (DV+OV)				1		included			
			IAM + console				1		included			
Backup			100 GB per VM				1		included			
1	VM	cpu	RAM	Storage (GB)	HOURLY rate		MONTHLY rate		HOURLY rate	MONTHLY rate	HOURLY rate	MONTHLY rate
2	Pack 1	1	1	50	14.00		9,269.40		14.00	10,123.40	28.00	19,392.80

3	Pack 2	1	2	100	14.00	9,562.00	15.40	10,389.40	29.40	19,951.40
4	Pack 3	2	4	100	22.40	16,196.60	26.60	18,573.80	49.00	34,770.40
5	Pack 4	2	8	150	29.40	20,434.40	28.00	20,102.60	57.40	40,537.00
6	Pack 5	2	16	150	29.40	20,762.00	32.20	22,622.60	61.60	43,384.60
7	Pack 6	4	4	200	44.80	32,313.40	51.80	37,077.60	96.60	69,391.00
8	Pack 7	4	8	250	44.80	32,313.40	51.80	37,077.60	96.60	69,391.00
9	Pack 8	4	16	250	50.40	36,054.20	50.40	35,949.20	100.80	72,003.40
10	Pack 9	6	6	300	88.20	63,707.00	100.80	73,376.80	189.00	137,083.80
11	Pack 10	6	12	350	89.60	64,428.00	102.20	74,030.60	191.80	138,458.60
12	Pack 11	8	8	400	89.60	64,428.00	102.20	74,030.60	191.80	138,458.60
13	Pack 12	8	16	450	89.60	64,428.00	102.20	74,030.60	191.80	138,458.60
14	Pack 13	8	32	450	99.40	71,969.80	109.20	78,736.00	208.60	150,705.80
15	Pack 14	12	12	500	173.60	126,520.80	200.20	145,930.40	373.80	272,451.20
16	Pack 15	12	24	550	175.00	126,862.40	201.60	146,242.60	376.60	273,105.00
17	Pack 16	16	16	600	175.00	124,275.20	244.80	146,508.60	457.30	270,783.80
18	Pack 17	16	32	650	175.00	127,153.60	201.60	146,508.60	376.60	273,662.20
19	Pack 18	32	64	700	386.40	281,729.00	424.20	309,362.20	810.60	591,091.20
20	Pack 19	64	128	750	770.00	561,131.20	845.60	748,729.30	1,615.60	1,177,731.80
21	Pack 20	128	256	800	-	-	-	-	-	-
22	Bandwidth-Plan 1- upto 100 GB				754.00					
23	Bandwidth-Plan 2- upto 500 GB				3,927.00					
24	Bandwidth-Plan 3- upto 1000 GB				8,083.00					
25	Additional data transfer tariff per GB				8.00					

SECTION-A(2 Year)

Line Item #	Sec-A	Line Items			DC-Government Community Cloud 2 year		DR-Government Community Cloud 2 year		DC+DR-Government Community Cloud 2 year		
Service Type		Feature				Included					
Networking		Network Segment- VLAN				Up to 5 Vm-1 network segment 5 to 10 Vm-2 network Segments 10-15 Vm-3 Network Segments 15-20 Vm-4 network segments					
		Networking - Load Balancing- Active Active				Included					
		Networking - Switching & Routing				Included					
		Managed Firewall(WAF), Non std encoding, session mgmt.				Included					
Administration		One Sub Admin Account				Included					
Operating System options		RedHat Enterprise Linux 7 or above CentOS operating System Ubuntu Operating System SUSE Linux operating system Microsoft Windows Server 2012				Included					
		Public IP				1 network segment-1 2 network Segments-2 3 network Segments- 3 4 network Segments- 4					
Security		SSL (DV+OV)				1		included			
		IAM + console				1		included			
Backup		100 GB per VM				1		included			
1	VM	cpu	RAM	Storage (GB)	HOURLY rate	MONTHLY rate	HOURLY rate	MONTHLY rate	HOURLY rate	MONTHLY rate	
2	Pack 1	1	1	50	14	9269.4	14.00	10,123.40	28.00	19,392.80	
3	Pack 2	1	2	100	14	9562	15.40	10,389.40	29.40	19,951.40	
4	Pack 3	2	4	100	22.4	16196.6	26.60	18,573.80	49.00	34,770.40	
5	Pack 4	2	8	150	29.4	20434.4	28.00	20,102.60	57.40	40,537.00	

6	Pack 5	2	16	150	29.4	20762	32.20	22,622.60	61.60	43,384.60
7	Pack 6	4	4	200	44.8	32313.4	51.80	37,077.60	96.60	69,391.00
8	Pack 7	4	8	250	44.8	32313.4	51.80	37,077.60	96.60	69,391.00
9	Pack 8	4	16	250	50.4	36054.2	50.40	35,949.20	100.80	72,003.40
10	Pack 9	6	6	300	88.2	63707	100.80	73,376.80	189.00	137,083.80
11	Pack 10	6	12	350	89.6	64428	102.20	74,030.60	191.80	138,458.60
12	Pack 11	8	8	400	89.6	64428	102.20	74,030.60	191.80	138,458.60
13	Pack 12	8	16	450	89.6	64428	102.20	74,030.60	191.80	138,458.60
14	Pack 13	8	32	450	99.4	71969.8	109.20	78,736.00	208.60	150,705.80
15	Pack 14	12	12	500	173.6	126520.8	200.20	145,930.40	373.80	272,451.20
16	Pack 15	12	24	550	175	126862.4	201.60	146,242.60	376.60	273,105.00
17	Pack 16	16	16	600	175	124275.2	244.80	146,508.60	457.30	270,783.80
18	Pack 17	16	32	650	175	127153.6	201.60	146,508.60	376.60	273,662.20
19	Pack 18	32	64	700	386.4	281729	424.20	309,362.20	810.60	591,091.20
20	Pack 19	64	128	750	770	561131.2	845.60	748,729.30	1,615.60	1,177,731.80
21	Pack 20	128	256	800	0	0	-	-	-	-
22	Bandwidth-Plan 1- upto 100 GB									754.00
23	Bandwidth-Plan 2- upto 500 GB									3,927.00
24	Bandwidth-Plan 3- upto 1000 GB									8,083.00
25	Additional data transfer tariff per GB									8.00

SECTION-B

Line Item #	SECTION- B STORAGE	Line Items		MONTHLY rate
26	Object storage	50 GB		125.00
27		500 GB		737.00
28		1000 GB		1,398.00
29		10 TB		13,613.00
30	File storage	50 GB		141.00

31	Archive storage	500 GB		1,406.00
32		1000 GB		2,813.00
33		10 TB		25,571.00
34		50 GB		117.00
35	Archive storage	500 GB		698.00
36		1000 GB		978.00
37		10 TB		8,258.00
38		50 GB		125.00
39	DISK storage	50 GB	<= 120 IOPS	125.00
40			121 to 400 IOPS	243.00
41			401 to 800 IOPS	625.00
42			801 to 1200 IOPS	800.00
43			1201 to 2000 IOPS	1,125.00
44			> 5000 IOPS	2,000.00
45		500 GB	<= 120 IOPS	1,250.00
46			121 to 400 IOPS	1,696.00
47			401 to 800 IOPS	1,696.00
48			801 to 1200 IOPS	1,808.00
49			1201 to 2000 IOPS	1,944.00
50			> 5000 IOPS	7,727.00
51		1000 GB	<= 120 IOPS	1,662.60
52			121 to 400 IOPS	3,212.00
53			401 to 800 IOPS	3,212.00
54			801 to 1200 IOPS	3,392.00
55			1201 to 2000 IOPS	3,616.00
56			> 5000 IOPS	8,035.00
57		10 TB	<= 120 IOPS	25,000.00
58			121 to 400 IOPS	29,828.00
59			401 to 800 IOPS	29,828.00
			801 to 1200 IOPS	29,828.00

60			1201 to 2000 IOPS	29,828.00
61			> 5000 IOPS	44,011.00

SECTION-C

Line Item #	SECTION-C DATABASE	Database Options	No. of Licenses required	MONTHLY rate
62		Postgre Enterprise	4	Not offered
63			5 to 8	Not offered
64			> 8	Not offered
65		MySQL 4 socket, 8 socket, 16 socket and 32 socket	4 socket	16,556.40
66			8 socket	33,103.00
67			16 socket	66,206.00
68			32 socket	132,400.80
69		MySQL Standard	4	Not offered
70			5 to 8	Not offered
71			> 8	Not offered
72		MySQL Enterprise	4	Not offered
73			5 to 8	Not offered
74			> 8	Not offered
75		MSSQL 2012 Standard	4	21,976.00
76			5 to 8	43,952.00
77			> 8	87,904.00
78		MSSQL 2012 Enterprise	4	84,270.00
79			5 to 8	168,540.00
80			> 8	337,080.00
81		Oracle Standard	4	Not offered
82			5 to 8	Not offered
83			> 8	Not offered

84	Oracle Enterprise	4	Not offered
85		5 to 8	Not offered
86		> 8	Not offered
87	NoSQL Enterprise	100	Not offered
88		101 to 500	Not offered
89		501 to 1000	Not offered
90		> 1000	Not offered
91	IBM DB2 v 10.5 or above	2	Not offered
92		4	Not offered
93		10	Not offered
94		> 10	Not offered
95	NoSQL DB	100	Not offered
96		101 to 500	Not offered
97		501 to 1000	Not offered
98		> 1000	Not offered
99	MySQL & Postgre SQL compatible relational database	4	Not offered
100		5 to 8	Not offered
101		> 8	Not offered

Note: For line items Not Offered, Department has to arrange for required User Licenses if not freely downloadable

SECTION-D

SECTION-D	Media transcoding at 99.9% availability Quality	Multiplier		MONTHLY AMT
102	SD(1280X720)	1X	per output minute	4.17
103	HD (1280 × 720–1920 x 1080)	2X	per output minute	7.41

104		UHD (more than 1920 x 1080, up to 4096 x 2160)	4X	per output minute	13.89
105		Audio only output	0.25X	per output minute	4.17

SECTION-E

Line Item #	SECTION-E SERVICES			MONTHLY rate
106	Scalability	Virtual Machine Scale Sets/Auto Scaling	1 unit of 5 VMs	-
107	DNS	DNS Management	1	2,975.00
108	AD	Active Directory Services	1	5,000.00
109	VPN	VPN/Gateway SITE to SITE point to point	2 ports per VPN	4,000.00
110	API Gateway/ Management	Million API calls	1	258,648.60
111	Email/SMS	Email gateway	Per year cost for 1 account with 10 GB	60.00
112		SMS gateway	1 lakh sms per month	17,000.00
113	Public IP	Additional public IP Addresses	1	150.00
114	DASHBOARDS	Network Monitoring dash Board	1	1,000.00
115	BACKUP Services	Backup agent , Backup management and monitoring , Back up Restoration	1	1,322.00
116	DATA TRANSFER	Bulk Data Transfer	1 TB	10,000.00
117		DATA SYNC service	1 TB	5,000.00
118	Developer Tools	Tools & SDKs or equivalent	1 instance	23,135.00
119		Code Deploy and commit tools or equivalent	1 instance	23,135.00

120	Mobile Services	Mobile Hub or equivalent	1	28,092.50
121		Mobile SDK	1	-
122		Container /Registry	1	4,627.00
124	Office 365 (Email Service with 100 GB Mail Box each for primary and archival, Multiparty Video conferencing on PC, Laptop and tablets, personal data storage sync from PC to cloud, office productivity , search capabilities) or equivalent		1	Not Offered

SECTION-F

Line Item #	SECTION- F	Bare Metal Servers		MONTHLY rate
125	Intel Xeon E7-8890 v4 (192 Cores, 2.20 GHz), 8192GB RAM (8192GB maximum), Up to 29 Internal Hard Drives Up to 10Gbps maximum Port Speeds, Redundant Power Supplies, Hypervisor Licenses, network connectivity to internet or Cloud infrastructure		1	1,174,281.89
126	Quad Intel Xeon E7-4890 v2 (60 Cores, 2.80 GHz) 2048GB RAM (2048GB maximum) Up to 24 Internal Hard Drives Up to 10Gbps maximum Port Speeds Redundant Power Supplies Hypervisor Licenses, network connectivity to internet or Cloud infrastructure		1	391,427.30
127	Intel Xeon E5-2690 v4, Dual Intel Xeon E5-2690 v4 (28 Cores, 2.60 GHz) 256GB RAM (256GB maximum) Up to 2 Internal Hard Drives Up to 10Gbps maximum Port Speeds Redundant Power Supplies Hypervisor Licenses, network connectivity to internet or Cloud infrastructure		1	88,071.14

SECTION-G

Line Item #	Section G		MONTHLY rate
	Additional resources		-
128		1 Virtual CPU	500.00
129		1 GB RAM	50.00
130		Storage in minimum block of 50 GB	10.00
131		Additional network segment (per VLAN)	100.00
132		Additional 1 IP	125.00
133		Additional 1 sub-admin account	500.00
134	MSP Charges	5%	

FOR CENTOS ONLY CSPs**SECTION-A**

Public Cloud																	
SECTION-A					DC-Public Cloud 1 year		DR-Public Cloud 1 year		DC+DR-Public Cloud 1 year		DC-Public Cloud 2 year		DR-Public Cloud 2 year		DC+DR-Public Cloud 2 year		
Service Type					Feature				Included								
Networking					Network Segment- VLAN				Up to 5 Vm-1 network segment 5 to 10 Vm-2 network Segments 10-15 Vm-3 Network Segments 15-20 Vm-4 network segments								
					Networking - Load Balancing- Active Active				Included								
					Networking - Switching & Routing				Included								
					Managed Firewall(WAF), Non std encoding, session mgmt.				Included								
Administration					One Sub Admin Account				Included								
Operating System options					RedHat Enterprise Linux 7 or above CentOS operating System Ubuntu Operating System SUSE Linux operating system Microsoft Windows Server 2012				Included								
					Public IP				1 network segment-1 2 network Segments-2 3 network Segments- 3 4 network Segments- 4								
Security					SSL (DV+OV)				1		included						
					IAM + console				1		included						
Backup					100 GB per VM				1		included						
Line Item #		Line Items			Only for CentOS		Only for CentOS		Only for CentOS		Only for CentOS		Only for CentOS		Only for CentOS		
	VM	cpu	RAM	Storage (GB)	HOURLY rate	MONTHLY rate	HOURLY rate	MONTHLY rate	HOURLY rate	MONTHLY rate	HOURLY rate	MONT HLY rate	HOURLY rate	MONTHLY rate	HOURLY rate	MONTHLY rate	
1	Pack 1	1	1	50	2.5	1800.0	2.3	1626.0	12.3	7355.0	2.5	1730.0	2.3	1550.0	12.3	7355.0	
2	Pack 2	1	2	100	3.0	2160.0	2.7	1956.0	14.7	8810.0	3.0	2060.0	2.7	1850.0	14.7	8810.0	

3	Pack 3	2	4	100	6.0	4320.0	5.4	3912.0	18.3	10970.0	6.0	4120.0	5.4	3700.0	18.3	10970.0
4	Pack 4	2	8	150	8.0	5760.0	7.2	5232.0	23.9	14315.0	8.0	5440.0	7.2	4900.0	23.9	14315.0
5	Pack 5	2	16	150	12.0	8640.0	10.8	7872.0	32.3	19355.0	12.0	8080.0	10.8	7300.0	32.3	19355.0
6	Pack 6	4	4	200	10.0	6760.0	9.0	6504.0	24.0	14420.0	10.0	6760.0	9.0	6200.0	24.0	14420.0
7	Pack 7	4	8	250	12.0	8370.0	10.8	7824.0	29.6	17765.0	12.0	8240.0	10.8	7400.0	29.6	17765.0
8	Pack 8	4	16	250	16.0	10890.0	14.4	10464.0	38.0	22805.0	16.0	10880.0	14.4	9800.0	38.0	22805.0
9	Pack 9	6	6	300	15.0	8990.0	13.5	9756.0	31.9	19130.0	15.0	8990.0	13.5	9300.0	31.9	19130.0
10	Pack 10	6	12	350	18.0	11230.0	16.2	11736.0	39.6	23735.0	18.0	11230.0	16.2	11100.0	39.6	23735.0
11	Pack 11	8	8	400	18.7	11220.0	18.0	12620.0	39.7	23840.0	18.7	11220.0	18.0	12400.0	39.7	23840.0
12	Pack 12	8	16	450	23.5	14090.0	21.6	15615.0	49.5	29705.0	23.5	14090.0	21.6	14800.0	49.5	29705.0
13	Pack 13	8	32	450	31.9	19130.0	28.8	20655.0	66.3	39785.0	31.9	19130.0	28.8	19600.0	66.3	39785.0
14	Pack 14	12	12	500	25.0	14980.0	27.0	16630.0	52.7	31610.0	25.0	14980.0	27.0	16630.0	52.7	31610.0
15	Pack 15	12	24	550	31.9	19110.0	32.4	20885.0	66.7	39995.0	31.9	19110.0	32.4	20885.0	66.7	39995.0
16	Pack 16	16	16	600	31.2	18740.0	34.4	20640.0	65.6	39380.0	31.2	18740.0	34.4	20640.0	65.6	39380.0
17	Pack 17	16	32	650	40.2	24130.0	43.2	26155.0	83.8	50285.0	40.2	24130.0	43.2	26155.0	83.8	50285.0
18	Pack 18	32	64	700	69.6	41760.0	73.2	43910.0	142.8	85670.0	69.6	41760.0	73.2	43910.0	142.8	85670.0
19	Pack 19	64	128	750	127.8	76670.0	131.6	78945.0	259.6	155615.0	127.8	76670.0	131.6	78945.0	259.6	155615.0
20	Pack 20	128	256	800	243.6	146140.0	247.6	148540.0	491.1	294680.0	243.6	146140.0	247.6	148540.0	491.1	294680.0
VIRTUAL PRIVATE Cloud																
					DC-VIRTUAL Private Cloud 1 year		DR-VIRTUAL Private Cloud 1 year		DC+DR-VIRTUAL Private Cloud 1 year		DC-VIRTUAL Private Cloud 2 year		DR-VIRTUAL Private Cloud 2 year		DC+DR Virtual Private Cloud 1 year	
Service Type					Feature				Included							
Networking					Network Segment- VLAN				Up to 5 Vm-1 network segment 5 to 10 Vm-2 network Segments 10-15 Vm-3 Network Segments							

		15-20 Vm-4 network segments
	Networking - Load Balancing- Active Active	Included
	Networking - Switching & Routing	Included
	Managed Firewall(WAF), Non std encoding, session mgmt.	Included
Administration	One Sub Admin Account	Included
Operating System options	RedHat Enterprise Linux 7 or above CentOS operating System Ubuntu Operating System SUSE Linux operating system Microsoft Windows Server 2012	Included
	Public IP	1 network segment-1 2 network Segments-2 3 network Segments- 3 4 network Segments- 4
Security	SSL (DV+OV)	1 included
	IAM + console	1 included
Backup	100 GB per VM	1 included

SECTION-A

Line Item #	VM	cp u	RA M	Stora ge (GB)	Only for CentOS		Only for CentOS		Only for CentOS		Only for CentOS		Only for CentOS		Only for CentOS	
					HOURLY rate	MONTHLY rate	HOURLY rate	MONTHLY rate	HOURLY rate	MONTHLY rate	HOURLY rate	MONTHLY rate	HOURLY rate	MONTHLY rate	HOURLY rate	MONTHLY rate
1	Pack 1	1	1	50	8.70	5200.00	10.00	5725.00	18.21	10925.00	8.70	5200.00	10.00	5725.00	18.21	10925.00
2	Pack 2	1	2	100	10.00	6050.00	10.00	6700.00	21.00	12750.00	10.00	6050.00	10.00	6700.00	21.00	12750.00
3	Pack 3	2	4	100	12.30	7400.00	13.00	8050.00	25.75	15450.00	12.30	7400.00	13.00	8050.00	25.75	15450.00
4	Pack 4	2	8	150	15.80	9450.00	17.00	10225.00	32.79	19675.00	15.80	9450.00	17.00	10225.00	32.79	19675.00
5	Pack 5	2	16	150	21.00	12650.00	21.00	13425.00	43.46	26075.00	21.00	12650.00	21.00	13425.00	43.46	26075.00
6	Pack 6	4	4	200	15.70	9400.00	17.00	10300.00	32.83	19700.00	15.70	9400.00	17.00	10300.00	32.83	19700.00
7	Pack 7	4	8	250	19.10	11450.00	21.00	12475.00	39.88	23925.00	19.10	11450.00	21.00	12475.00	39.88	23925.00

8	Pack 8	4	16	250	24.40	14650.00	26.00	15675.00	50.54	30325.00	24.40	14650.00	26.00	15675.00	50.54	30325
9	Pack 9	6	6	300	20.30	12200.00	22.00	13350.00	42.58	25550.00	20.30	12200.00	22.00	13350.00	42.58	25550
10	Pack 10	6	12	350	25.10	15050.00	27.00	16325.00	52.29	31375.00	25.10	15050.00	27.00	16325.00	52.29	31375
11	Pack 11	8	8	400	25.00	15000.00	27.00	16400.00	52.33	31400.00	25.00	15000.00	27.00	16400.00	52.33	31400
12	Pack 12	8	16	450	31.10	18650.00	34.00	20175.00	64.71	38825.00	31.10	18650.00	34.00	20175.00	64.71	38825
13	Pack 13	8	32	450	41.80	25050.00	44.00	26575.00	86.04	51624.00	41.80	25050.00	44.00	26575.00	86.04	51624
14	Pack 14	12	12	500	32.80	19700.00	36.00	21350.00	68.42	41050.00	32.80	19700.00	36.00	21350.00	68.42	41050
15	Pack 15	12	24	550	46.10	24950.00	45.00	26725.00	86.13	51675.00	46.10	24950.00	45.00	26725.00	86.13	51675
16	Pack 16	16	16	600	40.70	24400.00	44.00	26300.00	84.50	50700.00	40.70	24400.00	44.00	26300.00	84.5	50700
17	Pack 17	16	32	650	52.10	31250.00	55.00	33275.00	107.54	64525.00	52.10	31250.00	55.00	33275.00	107.54	64525
18	Pack 18	32	64	700	88.80	53300.00	92.00	55450.00	181.25	108750.00	88.80	53300.00	92.00	55450.00	181.25	108750
19	Pack 19	64	128	750	161.60	96950.00	165.00	99225.00	326.96	196175.00	161.60	96950.00	165.00	99225.00	326.96	196175
20	Pack 20	128	256	800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0

Government Community Cloud

	DC-GCC 1 year	DR-GCC 1 year	DC+DR-GCC 1 year	DC-GCC 2 year	DR-GCC 2 year	DC+DR-GCC 2 year
Service Type	Feature		Included			
Networking	Network Segment- VLAN		Up to 5 Vm-1 network segment 5 to 10 Vm-2 network Segments 10-15 Vm-3 Network Segments 15-20 Vm-4 network segments			
	Networking - Load Balancing- Active Active		Included			
	Networking - Switching & Routing		Included			
	Managed Firewall(WAF), Non std encoding, session mgmt.		Included			
Administration	One Sub Admin Account		Included			
Operating System options	RedHat Enterprise Linux 7 or above		Included			

	CentOS operating System Ubuntu Operating System SUSE Linux operating system Microsoft Windows Server 2012		
	Public IP	1 network segment-1 2 network Segments-2 3 network Segments- 3 4 network Segments- 4	
Security	SSL (DV+OV)	1	included
	IAM + console	1	included
Backup	100 GB per VM	1	included

SECTION-A

Line Item #	VM	cp u	RA M	Stora ge (GB)	Only for CentOS		Only for CentOS		Only for CentOS		Only for CentOS		Only for CentOS		Only for CentOS	
					HOURLY rate	MONTHL Y rate	HOURLY rate	MONTHLY rate	HOURLY rate	MONTHL Y rate	HOURLY rate	MONT HLY rate	HOURLY rate	MONTHL Y rate	HOURLY rate	MONTHL Y rate
1	Pack 1	1	1	50	12.30	7,375.00	13.00	7,950.00	25.54	15,325.00	12.3	7375	13.00	7,950.00	25.54	15,325.00
2	Pack 2	1	2	100	14.00	8,500.00	15.00	9,250.00	29.40	17,750.00	14	8500	15.00	9,250.00	29.40	17,750.00
3	Pack 3	2	4	100	17.10	10,250.00	19.00	11,100.00	35.58	21,350.00	17.1	10250	19.00	11,100.00	35.58	21,350.00
4	Pack 4	2	8	150	21.50	12,875.00	23.00	14,050.00	44.88	26,925.00	21.5	12875	23.00	14,050.00	44.88	26,925.00
5	Pack 5	2	16	150	28.10	16,875.00	31.00	18,450.00	58.88	35,325.00	28.1	16875	31.00	18,450.00	58.88	35,325.00
6	Pack 6	4	4	200	21.70	13,000.00	24.00	14,100.00	45.17	27,100.00	21.7	13000	24.00	14,100.00	45.17	27,100.00
7	Pack 7	4	8	250	26.00	15,625.00	28.00	17,050.00	54.46	32,675.00	26	15625	28.00	17,050.00	54.46	32,675.00
8	Pack 8	4	16	250	32.70	19,625.00	36.00	21,450.00	68.46	41,075.00	32.7	19625	36.00	21,450.00	68.46	41,075.00

9	Pack 9	6	6	300	27.90	16,750.00	30.00	18,200.00	58.25	34,950.00	27.9	16750	30.00	18,200.00	58.25	34,950.00
10	Pack 10	6	12	350	34.00	20,375.00	37.00	22,250.00	71.04	42,625.00	34	20375	37.00	22,250.00	71.04	42,625.00
11	Pack 11	8	8	400	34.20	20,500.00	37.00	22,300.00	71.33	42,800.00	34.2	20500	37.00	22,300.00	71.33	42,800.00
12	Pack 12	8	16	450	41.90	25,125.00	46.00	27,450.00	87.63	52,575.00	41.9	25125	46.00	27,450.00	87.63	52,575.00
13	Pack 13	8	32	450	55.20	33,125.00	60.00	36,250.00	115.63	69,375.00	55.2	33125	60.00	36,250.00	115.63	69,375.00
14	Pack 14	12	12	500	44.60	26,750.00	48.00	29,000.00	92.92	55,750.00	44.6	26750	48.00	29,000.00	92.92	55,750.00
15	Pack 15	12	24	550	55.60	33,375.00	61.00	36,300.00	116.21	69,725.00	55.6	33375	61.00	36,300.00	116.21	69,725.00
16	Pack 16	16	16	600	55.00	33,000.00	60.00	35,700.00	114.50	68,700.00	55	33000	60.00	35,700.00	114.50	68,700.00
17	Pack 17	16	32	650	69.40	41,625.00	75.00	45,250.00	144.79	86,875.00	69.4	41625	75.00	45,250.00	144.79	86,875.00
18	Pack 18	32	64	700	117.10	70,250.00	126.00	75,600.00	243.08	145,850.00	117.1	70250	126.00	75,600.00	243.08	145,850.00
19	Pack 19	64	128	750	211.50	126,875.00	226.00	135,550.00	437.38	262,425.00	211.5	126875	226.00	135,550.00	437.38	262,425.00
20	Pack 20	128	256	800	399.20	239,500.00	425.00	254,700.00	823.67	494,200.00	399.2	239500	425.00	254,700.00	823.67	494,200.00

Rates for other SECTIONS not available other than Section A

Tier 2 Empanelment Rates

Public Cloud

SECTION-A(1 Year)

		Public Cloud			Virtual Private Cloud			Government Community Cloud			
SECTION-A											
Li ne Ite m #		Line Items	DC-Public Cloud 1 year	DR-Public Cloud 1 year	DC+DR-Public Cloud 1 year	DC-Virtual Private Cloud 1 year	DR-Virtual Private Cloud 1 year	DC+DR-Virtual Private Cloud 1 year	DC-GCC 1 year	DR-GCC 1 year	DC+DR-GCC 1 year
Service Type				Feature		Included					
Networking				Network Segment- VLAN		Up to 5 Vm-1 network segment 5 to 10 Vm-2 network Segments 10-15 Vm-3 Network Segments 15-20 Vm-4 network segments					
				Networking - Load Balancing- Active Active		Included					
				Networking - Switching & Routing		Included					
				Managed Firewall(WAF), Non std encoding, session mgmt.		Included					
Administration				One Sub Admin Account		Included					
Operating System options				RedHat Enterprise Linux 7 or above CentOS operating System Ubuntu Operating System SUSE Linux operating system Microsoft Windows Server 2012		Included					
				Public IP		1 network segment-1 2 network Segments-2 3 network Segments- 3 4 network Segments- 4					
Security				SSL (DV+OV)			1	included			
				IAM + console			1	included			

Backup								100 GB per VM						1		included						
	VM	c p u	RA M	Stor age (GB)	HOU RLY rate	MON THLY rate	HOUR LY rate	MON THLY rate	HOU RLY rate	MON THLY rate	HOU RLY rate	MONT HLY rate	HOUR LY rate	MON THLY rate	HOUR LY rate	MON THLY rate	HOU RLY rate	MON THLY rate	HOU RLY rate	MON THLY rate	HOU RLY rate	MON THLY rate
1	Pack 1	1	1	50	8.19	5,900	8.19	5900.00	8.19	5900.00	8.2	5900.0	8.2	5900.0	8.2	5900.0	8.2	5900.0	8.2	5900.0	8.2	5900.0
2	Pack 2	1	2	100	8.54	6,150	8.54	6150.00	8.54	6150.00	8.5	6150.0	8.5	6150.0	8.5	6150.0	8.5	6150.0	8.5	6150.0	8.5	6150.0
3	Pack 3	2	4	100	8.96	6,450	8.96	6450.00	8.96	6450.00	9.0	6450.0	9.0	6450.0	9.0	6450.0	9.0	6450.0	9.0	6450.0	9.0	6450.0
4	Pack 4	2	8	150	9.72	7,000	9.72	7000.00	9.72	7000.00	9.7	7000.0	9.7	7000.0	9.7	7000.0	9.7	7000.0	9.7	7000.0	9.7	7000.0
5	Pack 5	2	16	150	10.83	7,800	10.83	7800.00	10.83	7800.00	10.8	7800.0	10.8	7800.0	10.8	7800.0	10.8	7800.0	10.8	7800.0	10.8	7800.0
6	Pack 6	4	4	200	10.35	7,450	10.35	7450.00	10.35	7450.00	10.4	7450.0	10.4	7450.0	10.4	7450.0	10.4	7450.0	10.4	7450.0	10.4	7450.0
7	Pack 7	4	8	250	11.11	8,000	11.11	8000.00	11.11	8000.00	11.1	8000.0	11.1	8000.0	11.1	8000.0	11.1	8000.0	11.1	8000.0	11.1	8000.0
8	Pack 8	4	16	250	12.22	8,800	12.22	8800.00	12.22	8800.00	12.2	8800.0	12.2	8800.0	12.2	8800.0	12.2	8800.0	12.2	8800.0	12.2	8800.0
9	Pack 9	6	6	300	14.10	10,150	14.10	10150.00	14.10	10150.00	14.1	10150.0	14.1	10150.0	14.1	10150.0	14.1	10150.0	14.1	10150.0	14.1	10150.0
10	Pack 10	6	12	350	15.14	10,900	15.14	10900.00	15.14	10900.00	15.1	10900.0	15.1	10900.0	15.1	10900.0	15.1	10900.0	15.1	10900.0	15.1	10900.0
11	Pack 11	8	8	400	16.11	11,600	16.11	11600.00	16.11	11600.00	16.1	11600.0	16.1	11600.0	16.1	11600.0	16.1	11600.0	16.1	11600.0	16.1	11600.0
12	Pack 12	8	16	450	17.64	12,700	17.64	12700.00	17.64	12700.00	17.6	12700.0	17.6	12700.0	17.6	12700.0	17.6	12700.0	17.6	12700.0	17.6	12700.0
13	Pack 13	8	32	450	20.42	14,700	20.42	14700.00	20.42	14700.00	20.4	14700.0	20.4	14700.0	20.4	14700.0	20.4	14700.0	20.4	14700.0	20.4	14700.0
14	Pack 14	12	12	500	17.78	12,800	17.78	12800.00	17.78	12800.00	17.8	12800.0	17.8	12800.0	17.8	12800.0	17.8	12800.0	17.8	12800.0	17.8	12800.0
15	Pack 15	24	24	550	20.00	14,400	20.00	14400.00	20.00	14400.00	20.0	14400.0	20.0	14400.0	20.0	14400.0	20.0	14400.0	20.0	14400.0	20.0	14400.0
16	Pack 16	16	16	600	19.44	14,000	19.44	14000.00	19.44	14000.00	19.4	14000.0	19.4	14000.0	19.4	14000.0	19.4	14000.0	19.4	14000.0	19.4	14000.0
17	Pack 17	1	32	650	22.36	16,100	22.36	16100.00	22.36	16100.00	22.4	16100.0	22.4	16100.0	22.4	16100.0	22.4	16100.0	22.4	16100.0	22.4	16100.0
18	Pack 18	3	64	700	55.16	39,713	55.16	39713.00	55.16	39713.00	55.2	39713.0	55.2	39713.0	55.2	39713.0	55.2	39713.0	55.2	39713.0	55.2	39713.0
19	Pack 19	6	12	750	88.63	63,813	88.63	63813.00	88.63	63813.00	88.6	63813.0	88.6	63813.0	88.6	63813.0	88.6	63813.0	88.6	63813.0	88.6	63813.0
20	Pack 20	128	256	800	155.43	111,913	155.43	111913.00	155.43	111913.00	155.4	111913.0	155.4	111913.0	155.4	111913.0	155.4	111913.0	155.4	111913.0	155.4	111913.0

21	Bandwidth-Plan 1- upto 100 GB	800
22	Bandwidth-Plan 2- upto 500 GB	4000
23	Bandwidth-Plan 3- upto 1000 GB	8000
24	Additional data transfer tariff per GB	8

SECTION-A (2 Year)

					Public Cloud						Virtual Private Cloud						Government Community Cloud					
Line Item #	Sec-A	Line Items			DC-Public Cloud 2 year		DR-Public Cloud 2 year		DC+DR-Public Cloud 2 year		DC-Virtual Private Cloud 2 year		DR-Virtual Private Cloud 2 year		DC+DR-Virtual Private Cloud 2 year		DC-GCC 2 year		DR-GCC 2 year		DC+DR-GCC 2 year	
		VM	cpu	RAM	Storage (GB)	HOURLY rate	MONTHLY rate	HOURLY rate	MONTHLY rate	HOURLY rate	MONTHLY rate	HOURLY rate	MONTHLY rate	HOURLY rate	MONTHLY rate	HOURLY rate	MONTHLY rate	HOURLY rate	MONTHLY rate	HOURLY rate	MONTHLY rate	HOURLY rate
1	Pack 1	1	1	50	8.19	5,900	8.19	5900.00	8.19	5900.00	8.2	5900.0	8.2	5900.0	8.2	5900.0	8.2	5900.0	8.2	5900.0	8.2	5900.0
2	Pack 2	1	2	100	8.54	6,150	8.54	6150.00	8.54	6150.00	8.5	6150.0	8.5	6150.0	8.5	6150.0	8.5	6150.0	8.5	6150.0	8.5	6150.0
3	Pack 3	2	4	100	8.96	6,450	8.96	6450.00	8.96	6450.00	9.0	6450.0	9.0	6450.0	9.0	6450.0	9.0	6450.0	9.0	6450.0	9.0	6450.0
4	Pack 4	2	8	150	9.72	7,000	9.72	7000.00	9.72	7000.00	9.7	7000.0	9.7	7000.0	9.7	7000.0	9.7	7000.0	9.7	7000.0	9.7	7000.0
5	Pack 5	2	16	150	10.83	7,800	10.83	7800.00	10.83	7800.00	10.8	7800.0	10.8	7800.0	10.8	7800.0	10.8	7800.0	10.8	7800.0	10.8	7800.0
6	Pack 6	4	4	200	10.35	7,450	10.35	7450.00	10.35	7450.00	10.4	7450.0	10.4	7450.0	10.4	7450.0	10.4	7450.0	10.4	7450.0	10.4	7450.0
7	Pack 7	4	8	250	11.11	8,000	11.11	8000.00	11.11	8000.00	11.1	8000.0	11.1	8000.0	11.1	8000.0	11.1	8000.0	11.1	8000.0	11.1	8000.0
8	Pack 8	4	16	250	12.22	8,800	12.22	8800.00	12.22	8800.00	12.2	8800.0	12.2	8800.0	12.2	8800.0	12.2	8800.0	12.2	8800.0	12.2	8800.0
9	Pack 9	6	6	300	14.10	10,150	14.10	10150.00	14.10	10150.00	14.1	10150.0	14.1	10150.0	14.1	10150.0	14.1	10150.0	14.1	10150.0	14.1	10150.0
10	Pack 10	6	12	350	15.14	10,900	15.14	10900.00	15.14	10900.00	15.1	10900.0	15.1	10900.0	15.1	10900.0	15.1	10900.0	15.1	10900.0	15.1	10900.0
11	Pack 11	8	8	400	16.11	11,600	16.11	11600.00	16.11	11600.00	16.1	11600.0	16.1	11600.0	16.1	11600.0	16.1	11600.0	16.1	11600.0	16.1	11600.0

12	Pack 12	8	16	450	17.6 4	12,70 0	17.6 4	12700 .00	17.6 4	12700 .00	17.6 .0	12700 .0	17.6 .0	12700 .0	17.6 .0	12700 .0	17.6 .0	12700 .0	17.6 .0	12700 .0	17.6 .0	12700 .0
13	Pack 13	8	32	450	20.4 2	14,70 0	20.4 2	14700 .00	20.4 2	14700 .00	20.4 .0	14700 .0	20.4 .0	14700 .0	20.4 .0	14700 .0	20.4 .0	14700 .0	20.4 .0	14700 .0	20.4 .0	14700 .0
14	Pack 14	1 2	12	500	17.7 8	12,80 0	17.7 8	12800 .00	17.7 8	12800 .00	17.8 .0	12800 .0	17.8 .0	12800 .0	17.8 .0	12800 .0	17.8 .0	12800 .0	17.8 .0	12800 .0	17.8 .0	12800 .0
15	Pack 15	1 2	24	550	20 0	14,40 0	20.0 0	14400 .00	20.0 0	14400 .00	20.0 .0	14400 .0	20.0 .0	14400 .0	20.0 .0	14400 .0	20.0 .0	14400 .0	20.0 .0	14400 .0	20.0 .0	14400 .0
16	Pack 16	1 6	16	600	19.4 4	14,00 0	19.4 4	14000 .00	19.4 4	14000 .00	19.4 .0	14000 .0	19.4 .0	14000 .0	19.4 .0	14000 .0	19.4 .0	14000 .0	19.4 .0	14000 .0	19.4 .0	14000 .0
17	Pack 17	1 6	32	650	22.3 6	16,10 0	22.3 6	16100 .00	22.3 6	16100 .00	22.4 .0	16100 .0	22.4 .0	16100 .0	22.4 .0	16100 .0	22.4 .0	16100 .0	22.4 .0	16100 .0	22.4 .0	16100 .0
18	Pack 18	3 2	64	700	55.1 6	39,71 3	55.1 6	39713 .00	55.1 6	39713 .00	55.2 .0	39713 .0	55.2 .0	39713 .0	55.2 .0	39713 .0	55.2 .0	39713 .0	55.2 .0	39713 .0	55.2 .0	39713 .0
19	Pack 19	6 4	12 8	750	88.6 3	63,81 3	88.6 3	63813 .00	88.6 3	63813 .00	88.6 .0	63813 .0	88.6 .0	63813 .0	88.6 .0	63813 .0	88.6 .0	63813 .0	88.6 .0	63813 .0	88.6 .0	63813 .0
20	Pack 20	1 2 8	25 6	800	155. 43	111,9 13	155. 43	11191 3.00	155. 43	11191 3.00	155. 4	11191 3.0	155. 4	11191 3.0	155. 4	11191 3.0	155. 4	11191 3.0	155. 4	11191 3.0	155. 4	11191 3.0
21	Bandwidth-Plan 1- upto 100 GB			800																		
22	Bandwidth-Plan 2- upto 500 GB			4000																		
23	Bandwidth-Plan 3- upto 1000 GB			8000																		
24	Additional data transfer tariff per GB			8																		

SECTION-B

Line Item #	SECTION- B STORAGE	Line Items	MONTHLY rate
25	Object storage	50 GB	100
26		500 GB	1000
27		1000 GB	2000
28		10 TB	16000
29	File storage	50 GB	125
30		500 GB	1250
31		1000 GB	2500

32		10 TB		20000
33	Archive storage	50 GB		75
34		500 GB		750
35		1000 GB		1500
36		10 TB		12000
37	DISK storage	50 GB	<= 120 IOPS	100
38			121 to 400 IOPS	100
39			401 to 800 IOPS	100
40			801 to 1200 IOPS	100
41			1201 to 2000 IOPS	300
42			> 5000 IOPS	300
43		500 GB	<= 120 IOPS	1000
44			121 to 400 IOPS	1000
45			401 to 800 IOPS	1000
46			801 to 1200 IOPS	1000
47			1201 to 2000 IOPS	3000
48			> 5000 IOPS	3000
49		1000 GB	<= 120 IOPS	2000
50			121 to 400 IOPS	2000
51			401 to 800 IOPS	2000
52			801 to 1200 IOPS	2000
53			1201 to 2000 IOPS	6000
54			> 5000 IOPS	6000
55		10 TB	<= 120 IOPS	16000
56			121 to 400 IOPS	16000
57			401 to 800 IOPS	16000
58			801 to 1200 IOPS	16000
59			1201 to 2000 IOPS	48000
60			> 5000 IOPS	48000

SECTION-C

Line Item #	SECTION-C DATABASE	Database Options	No. of Licenses required	MONTHLY rate
61	Postgre Enterprise		4	3,412.00
62			5 to 8	3,412.00
63			> 8	3,412.00
64	MySQL 4 socket, 8 socket, 16 socket and 32 socket		4 socket	
65			8 socket	
66			16 socket	
67			32 socket	
68	MySQL Standard		4	6,489.00
69			5 to 8	5,948.00
70			> 8	5,408.00
71	MySQL Enterprise		4	16,222.00
72			5 to 8	14,871.00
73			> 8	13,519.00
74	MSSQL 2012 Standard		4	7,000.00
75			5 to 8	7,000.00
76			> 8	7,000.00
77	MSSQL 2012 Enterprise		4	27,000.00
78			5 to 8	27,000.00
79			> 8	27,000.00
80	Oracle Standard		4	18,168.00
81			5 to 8	18,168.00
82			> 8	18,168.00
83	Oracle Enterprise		4	27,043.00
84			5 to 8	27,043.00

85		> 8	27,043.00
86	NoSQL Enterprise	100	11,969.00
87		101 to 500	11,969.00
88		501 to 1000	23,937.00
89		> 1000	47,874.00
90	IBM DB2 v 10.5 or above	2	99,400.00
91		4	99,400.00
92		10	99,400.00
93		> 10	99,400.00
94	NoSQL DB	100	11,969.00
95		101 to 500	11,969.00
96		501 to 1000	23,937.00
97		> 1000	47,874.00
98	MySQL & Postgre SQL compatible relational database	4	6,489.00
99		5 to 8	5,948.00
100		> 8	5,408.00

SECTION-D

SECTION D

Media transcoding at 99.9% availability				
Quality	Multiplier		Priceperoutputminuteifservicestakenfor1year	Priceperoutputminuteifservicestakenfor2year
SD(1280X720)	1X	per output minute	2	2
HD (1280 × 720–1920 x 1080)	2X	per output minute	4	4
UHD(morethan1920x1080,upto4096x 2160)	4X	per output minute	8	8
Audio only output	0.25X	per output minute	1	1

SECTION-E

Line Item #	SECTION-E SERVICES			Price per Unit per Month if services taken for 1 year		Price per Unit per Month if services taken for 2 years
105	Scalability	Virtual Machine Scale Sets/Auto Scaling	1 unit of 5 VMs	10		10
106	DNS	DNS Management	1	75		75
		price quoted is for per DNS entry				
107	AD	Active Directory Services price quoted is for per User.	1	25		25
108	VPN	VPN / Gateway	2 ports per VPN	300		300
		SITE to SITE Point to Point				
109	API	API Gateway/ Management	1	15,000		15,000
110		Email gateway				
	Email/SMS	prices quoted are for open source email solution	1 account with 10 GB	70		70
111		SMS gateway	1 lakh sms per month	11,000		11,000
112		Additional public IP Addresses	1	300		300
113	DASHBOARDS	Network Monitoring dash Board (Per Device/instance)	1	300		300
114		Backup agent	1	500		500
	BACKUP Services	Backup management and monitoring	1	1,000		2,000
		Back up Restoration	1	1,000		1,000
115		Bulk Data Transfer	1 TB	3,000		3,000
116	DATA TRANSFER	DATA SYNC service				
		Prices quoted are for data sync between ESDS Data centers.	1 TB	2,500		2,500
117	Developer Tools	Tools & SDKs or equivalent	1 instance	51,000		51,000
		Code Deploy and commit tools or equivalent	1 instance	51,000		51,000

118		Mobile Hub or equivalent	1	11,000		11,000
119	Mobile Services	Mobile SDK	1	11,000		11,000
120		Container /Registry	1	51,000		51,000
121	Office 365(Email Service with 100 GB Mail Box for primary and archival, Multiparty Video conferencing on PC, Laptop and tablets, personal data storage sync from PC to cloud, office productivity , search capabilities) or equivalent		1	-		-

SECTION-F

Line Item #	SEC- F- Bare Metal Servers		RateperMonthper Unit (Rs)if services takenfor1year		RateperMonthperUnit (Rs)if servicetakenfor 2year
122	Intel Xeon E7-8890 v4 (192 Cores, 2.20 GHz),8192GB RAM (8192GB maximum), Up to 29 Internal Hard Drives Up to 10Gbps maximum Port Speeds, Redundant Power Supplies, Hypervisor Licenses, network connectivity to internet or Cloud infrastructure		1	537,389	510,520
123	Quad Intel Xeon E7-4890 v2 (60 Cores, 2.80 GHz) 2048GB RAM (2048GB maximum) Up to 24 Internal Hard Drives Up to 10Gbps maximum Port Speeds Redundant Power Supplies Hypervisor Licenses, network connectivity to internet or Cloud infrastructure		1	142,271	135,158
124	Intel Xeon E5-2690 v4, Dual Intel Xeon E5-2690 v4 (28 Cores, 2.60 GHz) 256GB RAM (256GB maximum) Up to 2 Internal Hard Drives Up to 10Gbps maximum Port Speeds Redundant Power Supplies Hypervisor Licenses, network connectivity to internet or Cloud infrastructure		1	41,654	39,571

SECTION-G

Line Item #	Section G	Additional resources	MONTHLY rate per GB
125	1 Virtual CPU		450.00
126	1 GB RAM		220.00
127	Storage in minimum block of 50 GB		243.00
128	Additional network segment (per VLAN)		-

129	Additional 1 IP		100.00
130	Additional 1 sub-admin account		500.00
131	MSP Charges		5%
